

TABLE A

SLANTED POST

Тур

-SEE NOTE 4

(

BOTTOM OF BASE PLATE (SEE PROJECT PLANS)

SEE NOTE 4

SEE NOTE 8

€ POST

BOTTOM OF BASE PLATE (SEE PROJECT PLANS)—

POST TYPE No. FOR SPAN LENGTH BELOW											
"D"	"H"	140'-0"	130′-0"	120'-0"	110'-0"	100'-0"	90'-0"	80'-0"	70'-0"	60'-0"	50'-0
PANEL	POST	TO	то	TO	то	то	TO	то	ТО	то	то
DEPTH	HEIGHT	145'-0"	139'-0"	129'-0"	119'-0"	109'-0"	99'-0"	89'-0"	79'-0"	69'-0"	59'-0
120"	29'-0"	VI.	VI.	VI.	VI.	¥	¥	IV	II	Ш	II
	27'-0"	VI.	VI.	VI.	¥	¥	IV.	IV	III	I	II
	25'-0"	VI.	VI.	V	¥	IV	IV	III	III	I	II
	23'-0"	VI.	¥	¥	IV	IV.	IV	III	I	I	I
	21'-0"	¥	¥	IV	IV	IΣ	Ш	Ш	I	I	I
110"	29'-0"	VI.	M	VI.	¥	¥	IV	IΣ	II	I	I
	27'-0"	M	M	¥	¥	IV	IV.	Ш	II	I	I
	25'-0"	¥	¥	¥	IV.	IV	IV.	Ш	I	I	I
	23'-0"	¥	¥	IV	IV.	IV	Ш	III	I	I	I
	21'-0"	¥	¥	IV	IV.	III	III	I	I	I	I
100"	29'-0"	VI.	¥	¥	¥	IV.	IV	Ш	III	I	I
	27'-0"	¥	¥	¥	IV.	IV	IV.	Ш	I	I	I
	25'-0"	¥	¥	IV.	IV.	I	Ш	Ш	I	I	I
	23'-0"	¥	IV	IV	IV.	Ⅲ	Ш	I	I	I	I
	21'-0"	¥	IV	IV	Ш	Ⅲ	I	I	I	I	I
	29'-0"	<u>v</u>	¥	¥	IV.	IV	Ш	Ш	I	I	I
90"	27'-0"	¥	¥	IV	IV.	IV.	III	I	I	I	I
	25'-0"	IV	IV	IV	IV	II	III	I	I	I	I
	23'-0"	IV.	IV	IV.	Ⅲ	Ⅲ	I	I	I	I	I
	21'-0"	IV.	IV	II	Ш	I	I	I	I	I	I
80"	29'-0"	¥	IX	IV	IV.	Ⅲ	Ш	I	I	I	I
	27'-0"	IV	IX	IV	Ш	II	I	I	I	I	I
	25'-0"	IV	IV	IV	Ш	III	I	I	I	I	I
	23'-0"	IX	IV	III	Ш	II	II	I	I	I	I
	21'-0"	IV.	II	II	I	I	I	I	I	I	I
70"	29'-0"	IX	IV	IV	Ш	Ш	I	I	I	I	I
	27'-0"	IV	IV	Ш	Ш	II	I	I	I	I	I
	25'-0"	Ш	II	II	I	I	I	I	I	I	I
	23'-0"	Ш	Ш	I	II	II	I	I	I	I	I
	21'-0"	Ш	III	I	I	I	I	I	I	I	I

NOTES:

- 1. The maximum sign panel overlap onto elbow shall not exceed  $6^\prime\text{-0}"$  from the field splice.
- 2. When several sign panels are to be installed with spaces between panels, the total sign panel length is the sum of individual sign panel lengths only.
- 3. For spans ranging from  $50^{\prime}\text{-0"}$  to 145 $^{\prime}\text{-0"}$  , maximum sign panel coverage is as follows:

BOTTOM OF BASE PLATE

(SEE PROJECT PLANS)

a) For slanted post type: Span - "A" on both sides from Q of CIDH Pile.

VERTICAL POST

- b) For vertical post type: Span 6'-0" on both sides from € of CIDH Pile. 4. All posts between base plate and field plate splice shall be as scheduled in
- table. All mast arms are standard pipe.
- 5. Before any portion of sign frame is assembled in its final position, the Contractor shall demonstrate to the Engineer by preassembly or other approved methods that the span length of the frame, with no load condition, is within  $\pm l/2$ " of field measured span length between foundations.
- 6. If sign frames are erected as one unit, they shall be adequately suspended to avoid distortions or changes in span lengths between base plates.
- 7. At final position of post, all top and bottom anchor bolt nuts shall be snug tighten against base plate.
- 8. Drill and tap for 19/2 c chase nipple and plug with recessed pipe plugs. Place perpendicular to sign panel axis and away from approaching traffic. See Standard Plan ES-15C.
- 9. Maximum difference between post heights on an individual frame = 5'-0".
- 10. For standard pipe members (mast arms) with lengths greater than 78'-9", an optional field splice will be permitted at the centerline of span to facilitate hauling operations.
- For location of optional welded splice in post, see Standard Plan S31.

TABLE B

POST	PIF	"R"		
TYPE No.	NPS	THICKNESS	RADIUS	
I	20	1/2"	12'-0"	
II	24	1/2"		
Ш	24	5/8"		
IV	30	1/2"		
¥	30	5/8"		
M	30	3/4"	,	

SEE NOTE 8

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TABLE C

	CAMBER							
POST								
TYPE No.	SPAN LENGTH	Х	Υ					
II	50'-0" TO 119'-0"	21/4"	31/2"					
П	120'-0" TO 145'-0"	3¾"	5"					
Ш	50'-0" TO 119'-0"	21/4"	31/2"					
Ш	120'-0" TO 145'-0"	3¾"	5"					
IV.	50'-0" TO 119'-0"	21/4"	31/2"					
IV	120'-0" TO 145'-0"	3¾"	5"					
<b>V</b>	50'-0" TO 119'-0"	21/4"	31/2"					
¥	120'-0" TO 145'-0"	3¾"	5"					
M	50'-0" TO 119'-0"	21/4"	31/2"					
M	120'-0" TO 145'-0"	3¾"	5"					

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

OVEREHEAD SIGNS-TUBULAR TWO POST TYPE LAYOUT AND PIPE SELECTION

NO SCALE

**S32**